

a hydraulic control valve, interposed in a hydraulic pressure path between said hydraulic pump and hydraulic cylinder, for controlling oil pressure from said hydraulic pump to two cylinder chambers included in said hydraulic cylinder, wherein said hydraulic control valve is the hydraulic control valve described in claim 2.

17. A power steering apparatus, comprising:

a hydraulic pump, being driven by an electric motor, for supplying oil pressure to a hydraulic cylinder for steering assistance; and

a hydraulic control valve, interposed in a hydraulic pressure path between said hydraulic pump and hydraulic cylinder, for controlling oil pressure from said hydraulic pump to two cylinder chambers included in said hydraulic cylinder, wherein said hydraulic control valve is the hydraulic control valve described in claim 3.

18. A power steering apparatus, comprising:

a hydraulic pump, being driven by an electric motor, for supplying oil pressure to a hydraulic cylinder for steering assistance; and

a hydraulic control valve, interposed in a hydraulic pressure path between said hydraulic pump and hydraulic cylinder, for controlling oil pressure from said hydraulic pump to two cylinder chambers included in said hydraulic cylinder, wherein said hydraulic control valve is the hydraulic control valve described in claim 4.

19. The power steering apparatus according to claim 16, wherein said hydraulic pump is driven such that a flow rate becomes low flow rate or zero flow rate when steering is not carried out, and such that the flow rate becomes high in accordance with steering angular velocity when steering is carried out.

20. The power steering apparatus according to claim 17, wherein said hydraulic pump is driven such that a flow rate becomes low flow rate or zero flow rate when steering is not carried out, and such that the flow rate becomes high in accordance with steering angular velocity when steering is carried out.

21. The power steering apparatus according to claim 18, wherein said hydraulic pump is driven such that a flow rate becomes low flow rate or zero flow rate when steering is not carried out, and such that the flow rate becomes high in accordance with steering angular velocity when steering is carried out.

22. The power steering apparatus according to claim 16, wherein said electric motor drives said hydraulic pump such that oil pressure is supplied at zero flow rate or predetermined small flow rate as small flow as possible when steering is not carried out, and the oil pressure is abruptly supplied at high flow rate in accordance with the steering angular velocity as the steering is carried out.

23. The power steering apparatus according to claim 17, wherein said electric motor drives said hydraulic pump such that oil pressure is supplied at zero flow rate or

predetermined small flow rate as small flow as possible when steering is not carried out, and the oil pressure is abruptly supplied at high flow rate in accordance with the steering angular velocity as the steering is carried out.

24. The power steering apparatus according to claim 18, wherein said electric motor drives said hydraulic pump such that oil pressure is supplied at zero flow rate or predetermined small flow rate as small flow as possible when steering is not carried out, and the oil pressure is abruptly supplied at high flow rate in accordance with the steering angular velocity as the steering is carried out.

25. The power steering apparatus according to claim 9, wherein said hydraulic pump is driven such that a flow rate becomes low flow rate or zero flow rate when steering is not carried out, and such that the flow rate becomes high in accordance with steering angular velocity when steering is carried out.

26. The power steering apparatus according to claim 9, wherein said electric motor drives said hydraulic pump such that oil pressure is supplied at zero flow rate or predetermined small flow rate as small as possible when steering is not carried out, and the oil pressure is abruptly supplied at high flow rate in accordance with the steering angular velocity as the steering is carried out.

27. The power steering apparatus according to claim 13, wherein said hydraulic pump is driven such that a flow rate becomes low flow rate or zero flow rate when steering is not carried out, and such that the flow rate becomes high in accordance with steering angular velocity when steering operation is carried out.

28. The power steering apparatus according to claim 13, wherein said electric motor drives said hydraulic pump such that oil pressure is supplied at zero flow rate or predetermined small flow rate as small as possible when steering is not carried out, and the oil pressure is abruptly supplied at high flow rate in accordance with the steering angular velocity as the steering is carried out.--